SEQUENCE LISTING

<110> KIRIN BEER KABUSHIKI KAISHA
Secretary of Agency of Industrial Science and Technology

<120> Novel yeast mutants and process for producing glycoprotein containing mammalian type sugar chain

<130> PH-1034-PCT

<160> 26

<170> PatentIn Ver. 2.0

<210> 1

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 1

GGATCCGAAG AAAACCTAAT ACATTGAAGT

30

<210> 2

<211> 36

<212> DNA

<213> Artificial Sequence

<220>	
<223> Description of Artificial Sequence:synthetic D)NA
<400> 2	
GCATGCCCTT TGGTTTAATA TAAATCTCCG GAGTGC	36
<210> 3	
<211> 36	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:synthetic D	NA
<400> 3	
GCATGCTACA TAACTCCAAT CAGCAGCAAA TATGTC	36
⟨210⟩ 4	
<211> 38	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:synthetic D	NA
/400\	

GCGGCCGCGT GTTCTGTTCG GGTAACGTTT AAACCAAT

38

<210> 5 <211> 34 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: synthetic DNA ⟨400⟩ 5 34 AGATGCATAC TAGTGGGCCC ATTGTGATTG GAAT <210> 6 <211> 30 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: synthetic DNA <400> 6 CCCCCGAATT CGTGTGAAGG AATAGTGACG 30 <210> 7 <211> 30 <212> DNA <213> Artificial Sequence

<220> 30

<223> Description of Artificial Sequence:synthetic DNA

<400≻ 7	
CCCCCGAATT CAAGTCGGAG AACCTGACTG	30
<210> 8	
⟨211⟩ 34	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:synthetic I	DNA
<400> 8	
ATGGGCCCAC TAGTATGCAT CTCGCGTGGC ATGG	34
<210> 9	
<211> 38	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:synthetic I	ONA
<400> 9	
GCGGCCGCGA GACCTGAATC TTCGACACGC AAGAAAAA	38
<210> 10	

<211> 36

<212> DNA

<213> Artificial Sequence <220> <223> Description of Artificial Sequence: synthetic DNA <400> 10 GAATTCGCTT TCGAACAAAA TCAAAAGGGG CATAAC 36 ⟨210⟩ 11 <211> 32 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: synthetic DNA <400> 11 32 GAATTCCTAT CCACCAAACT CACAAGCAAG CA <210> 12 <211> 38 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: synthetic DNA

<400> 12

<210> 13 <211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 13

CGCCGCCGAG CTCTAAAAAA ATGAAGTTAA GCCGCC

36

<210> 14

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 14

ATCCCACCAC TTTGAAAGGT

20

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA <400> 15 GAAGACTCAC GGAGGAAGTT 20 <210> 16 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:synthetic DNA **<400>** 16 20 ATGGCGGTAT ATGTGCTCGA <210> 17 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:synthetic DNA <400> 17 20 CGCAGTTTGG GATACAGCAA

<210> 18

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400>18

ATTATTATTA GCGGCCGCCC CTCAACTGGA TTCG

34

<210> 19

<211> 162

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 19

GCAGCTACTA GTGGGCATGC TCCACCGCGC ATGTTTTACC CATACGATGT TCCTGACTAT 60
GCGGGCTATC CCTATGACGT CCCGGACTAT GCAGGATATC CATATGACGT TCCAGATTAC 120
GCAGCTACTA GTGGGCATGC TTCACGCGTC TAGTGAGAAT TC 162

<210> 20

<211> 176

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 20

GAGCTCAAAA AGAAAGCAAG TAAAAGAAAG AAGAGATCAT GTCTAGGAAG TTGTCCCACC 60
TGATCGCTAC AAGGAAATCA AAAACAATAG TCGTAACCGT ACTTCTTATT TATTCTTTGT 120
TGACATTTCA CTTGTCAAAC AAAAGGCTGC TTTCTCAGTT TTACCCATGG GAATTC 176

<210> 21

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 21

TTAGACTACC CATGGAACCC GCGCCGCGAG GGCTCCTTC 39

<210> 22

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 22

CAGGAGAACT TTGGTTCGAA AAAGCTTTGA CTTCTT

36

<210> 23

<211> 30 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:synthetic DNA <400> 23 AGAGCGGCCG CAAAATGTTC GCCAACCTAA 30 <210> 24 <211> 30 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence:synthetic DNA <400> 24 30 TTTTGTCGAC TAGACGCGTG AAGCATGCCC <210> 25 <211> 24 <212> DNA <213> Artificial Sequence <220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 25

CGCCAGGGTT TTCCCAGTCA CGAC

24

<210> 26

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 26

ATGGGCCGGC TCTTTTATCC AAAGATAC

28